

Titles of Most Frequently Occurring Classifications of Patents Returned  
From A Search of 10613980 on August 02, 2005

21	345/419	(7 OR, 14 XR)	
	Class 345 :	COMPUTER GRAPHICS PROCESSING, OPERATOR	
		INTERFACE PROCESSING, AND SELECTIVE VISUAL	DISPLAY
		SYSTEMS	
	345/418	COMPUTER GRAPHICS PROCESSING	
	345/419	.Three-dimension	
10	600/443	(4 OR, 6 XR)	
	Class 600 :	SURGERY	
	600/300	DIAGNOSTIC TESTING	
	600/407	.Detecting nuclear, electromagnetic, or	
		ultrasonic radiation	
	600/437	..Ultrasonic	
	600/443	...Anatomic image produced by reflective	
		scanning	
7	324/309	(6 OR, 1 XR)	
	Class 324 :	ELECTRICITY: MEASURING AND TESTING	
	324/300	PARTICLE PRECESSION RESONANCE	
	324/307	.Using a nuclear resonance spectrometer system	
	324/309	..To obtain localized resonance within a sample	
7	345/582	(5 OR, 2 XR)	
	Class 345 :	COMPUTER GRAPHICS PROCESSING, OPERATOR	
		INTERFACE PROCESSING, AND SELECTIVE VISUAL	DISPLAY
		SYSTEMS	
	345/418	COMPUTER GRAPHICS PROCESSING	
	345/581	.Attributes (surface detail or characteristic,	
		display attributes)	
	345/582	..Texture	
7	382/131	(2 OR, 5 XR)	
	Class 382 :	IMAGE ANALYSIS	
	382/100	APPLICATIONS	
	382/128	.Biomedical applications	
	382/131	..Tomography (e.g., CAT scanner)	
7	382/167	(4 OR, 3 XR)	
	Class 382 :	IMAGE ANALYSIS	
	382/162	COLOR IMAGE PROCESSING	
	382/167	.Color correction	
6	128/916	(0 OR, 6 XR)	
	Class 128 :	SURGERY	
	128/916	ULTRASOUND 3-D IMAGING	
6	345/427	(2 OR, 4 XR)	
	Class 345 :	COMPUTER GRAPHICS PROCESSING, OPERATOR	
		INTERFACE PROCESSING, AND SELECTIVE VISUAL	DISPLAY
		SYSTEMS	
	345/418	COMPUTER GRAPHICS PROCESSING	
	345/419	.Three-dimension	
	345/427	..Space transformation	
6	345/440	(4 OR, 2 XR)	
	Class 345 :	COMPUTER GRAPHICS PROCESSING, OPERATOR	
		INTERFACE PROCESSING, AND SELECTIVE VISUAL	DISPLAY

## SYSTEMS

- 345/418 COMPUTER GRAPHICS PROCESSING  
345/440 .Graph generating
- 6 382/154 (3 OR, 3 XR)  
Class 382 : IMAGE ANALYSIS  
382/100 APPLICATIONS  
382/154 .3-D or stereo imaging analysis
- 5 358/518 (0 OR, 5 XR)  
Class 358 : FACSIMILE AND STATIC PRESENTATION PROCESSING  
  
358/500 NATURAL COLOR FACSIMILE  
358/518 .Color correction
- 5 382/162 (3 OR, 2 XR)  
Class 382 : IMAGE ANALYSIS  
382/162 COLOR IMAGE PROCESSING
- 5 382/199 (2 OR, 3 XR)  
Class 382 : IMAGE ANALYSIS  
382/181 PATTERN RECOGNITION  
382/190 .Feature extraction  
382/195 ..Local or regional features  
382/199 ...Pattern boundary and edge measurements
- 5 708/308 (1 OR, 4 XR)  
Class 708 : ELECTRICAL COMPUTERS: ARITHMETIC PROCESSING  
AND CALCULATING  
708/100 ELECTRICAL DIGITAL CALCULATING COMPUTER  
708/200 .Particular function performed  
708/300 ..Filtering  
708/308 ...Multidimensional data
- 4 345/501 (1 OR, 3 XR)  
Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR  
INTERFACE PROCESSING, AND SELECTIVE VISUAL DISPLAY  
SYSTEMS  
345/501 COMPUTER GRAPHIC PROCESSING SYSTEM
- 4 345/581 (3 OR, 1 XR)  
Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR  
INTERFACE PROCESSING, AND SELECTIVE VISUAL DISPLAY  
SYSTEMS  
345/418 COMPUTER GRAPHICS PROCESSING  
345/581 .Attributes (surface detail or characteristic,  
display attributes)
- 4 355/22 (2 OR, 2 XR)  
Class 355 : PHOTOCOPYING  
355/18 PROJECTION PRINTING AND COPYING CAMERAS  
355/22 .Stereoscopic
- 4 355/77 (1 OR, 3 XR)  
Class 355 : PHOTOCOPYING  
355/18 PROJECTION PRINTING AND COPYING CAMERAS  
355/77 .Methods
- 4 358/523 (0 OR, 4 XR)  
Class 358 : FACSIMILE AND STATIC PRESENTATION PROCESSING  
  
358/500 NATURAL COLOR FACSIMILE  
358/518 .Color correction

- 358/523           ..with memory for storage of conversion data
- 4 358/525       (0 OR, 4 XR)  
     Class 358 :   FACSIMILE AND STATIC PRESENTATION PROCESSING
- 358/500       NATURAL COLOR FACSIMILE  
 358/525       .Interpolation
- 4 382/106       (0 OR, 4 XR)  
     Class 382 :   IMAGE ANALYSIS  
     382/100     APPLICATIONS  
     382/106     .Range or distance measuring
- 4 382/274       (1 OR, 3 XR)  
     Class 382 :   IMAGE ANALYSIS  
     382/254     IMAGE ENHANCEMENT OR RESTORATION  
     382/274     .Intensity, brightness, contrast, or shading  
                   correction
- 4 382/276       (0 OR, 4 XR)  
     Class 382 :   IMAGE ANALYSIS  
     382/276     IMAGE TRANSFORMATION OR PREPROCESSING
- 4 382/294       (4 OR, 0 XR)  
     Class 382 :   IMAGE ANALYSIS  
     382/276     IMAGE TRANSFORMATION OR PREPROCESSING  
     382/293     .Changing the image coordinates  
     382/294     ..Registering or aligning multiple images to  
                   one another
- 4 600/425       (1 OR, 3 XR)  
     Class 600 :   SURGERY  
     600/300     DIAGNOSTIC TESTING  
     600/407     .Detecting nuclear, electromagnetic, or  
                   ultrasonic radiation  
     600/425     ..with tomographic imaging obtained from  
                   electromagnetic wave
- 4 600/459       (2 OR, 2 XR)  
     Class 600 :   SURGERY  
     600/300     DIAGNOSTIC TESTING  
     600/407     .Detecting nuclear, electromagnetic, or  
                   ultrasonic radiation  
     600/437     ..Ultrasonic  
     600/459     ...Structure of transducer or probe assembly
- 4 701/208       (2 OR, 2 XR)  
     Class 701 :   DATA PROCESSING: VEHICLES, NAVIGATION, AND  
                   RELATIVE LOCATION  
     701/200     NAVIGATION  
     701/207     .Employing position determining equipment  
     701/208     ..For use in a map data base system
- 4 707/104.1     (1 OR, 3 XR)  
     Class 707 :   DATA PROCESSING: DATABASE AND FILE  
                   MANAGEMENT OR DATA STRUCTURES  
     707/100     DATABASE SCHEMA OR DATA STRUCTURE  
     707/104.1   .Application of database or data structure  
                   (e.g., distributed, multimedia, image)
- 4 707/3         (2 OR, 2 XR)  
     Class 707 :   DATA PROCESSING: DATABASE AND FILE  
                   MANAGEMENT OR DATA STRUCTURES

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	707/1		DATABASE OR FILE ACCESSING	
	707/3		.Query processing (i.e., searching)	
4	707/6	(1 OR, 3 XR)		
	Class	707	: DATA PROCESSING: DATABASE AND FILE MANAGEMENT OR DATA STRUCTURES	
	707/1		DATABASE OR FILE ACCESSING	
	707/3		.Query processing (i.e., searching)	
	707/6		..Pattern matching access	
3	324/307	(0 OR, 3 XR)		
	Class	324	: ELECTRICITY: MEASURING AND TESTING	
	324/300		PARTICLE PRECESSION RESONANCE	
	324/307		.Using a nuclear resonance spectrometer system	
3	340/990	(0 OR, 3 XR)		
	Class	340	: COMMUNICATIONS: ELECTRICAL	
	340/988		VEHICLE POSITION INDICATION	
	340/989		.At remote location	
	340/990		..With map display	
3	345/420	(1 OR, 2 XR)		
	Class	345	: COMPUTER GRAPHICS PROCESSING, OPERATOR INTERFACE PROCESSING, AND SELECTIVE VISUAL SYSTEMS	DISPLAY
	345/418		COMPUTER GRAPHICS PROCESSING	
	345/419		.Three-dimension	
	345/420		..Solid modelling	
3	345/426	(2 OR, 1 XR)		
	Class	345	: COMPUTER GRAPHICS PROCESSING, OPERATOR INTERFACE PROCESSING, AND SELECTIVE VISUAL SYSTEMS	DISPLAY
	345/418		COMPUTER GRAPHICS PROCESSING	
	345/419		.Three-dimension	
	345/426		..Lighting/shading	
3	345/552	(2 OR, 1 XR)		
	Class	345	: COMPUTER GRAPHICS PROCESSING, OPERATOR INTERFACE PROCESSING, AND SELECTIVE VISUAL SYSTEMS	DISPLAY
	345/538		...Data transfer between system memory display memory	
	345/552		.Texture memory	
3	345/649	(1 OR, 2 XR)		
	Class	345	: COMPUTER GRAPHICS PROCESSING, OPERATOR INTERFACE PROCESSING, AND SELECTIVE VISUAL SYSTEMS	DISPLAY
	345/418		COMPUTER GRAPHICS PROCESSING	
	345/619		.Graphic manipulation (object processing or display attributes)	
	345/649		..Rotation	
3	348/443	(1 OR, 2 XR)		
	Class	348	: TELEVISION	
	348/441		FORMAT CONVERSION	
	348/443		.Involving both line number and field rate conversion (e.g., PAL to NTSC)	
3	348/580	(0 OR, 3 XR)		
	Class	348	: TELEVISION	

- 348/571 IMAGE SIGNAL PROCESSING CIRCUITRY SPECIFIC TO TELEVISION
- 348/578 .Special effects
- 348/580 ..Geometric transformation
- 3 358/1.9 (1 OR, 2 XR)  
Class 358 : FACSIMILE AND STATIC PRESENTATION PROCESSING
- 358/1.1 STATIC PRESENTATION PROCESSING (E.G., PROCESSING DATA FOR PRINTER, ETC.)
- 358/1.9 .Attribute control
- 3 375/240.08 (1 OR, 2 XR)  
Class 375 : PULSE OR DIGITAL COMMUNICATIONS BANDWIDTH REDUCTION OR EXPANSION
- 375/240 .Television or motion video signal
- 375/240.01 ..Feature based
- 3 375/240.11 (2 OR, 1 XR)  
Class 375 : PULSE OR DIGITAL COMMUNICATIONS BANDWIDTH REDUCTION OR EXPANSION
- 375/240 .Television or motion video signal
- 375/240.01 ..Feature based
- 375/240.08 ...Separate coders
- 375/240.1 ....Subband coding
- 3 382/128 (2 OR, 1 XR)  
Class 382 : IMAGE ANALYSIS APPLICATIONS
- 382/100 .Biomedical applications
- 3 382/132 (1 OR, 2 XR)  
Class 382 : IMAGE ANALYSIS APPLICATIONS
- 382/100 .Biomedical applications
- 382/128 ..X-ray film analysis (e.g., radiography)
- 3 382/164 (1 OR, 2 XR)  
Class 382 : IMAGE ANALYSIS
- 382/162 COLOR IMAGE PROCESSING
- 382/164 .Image segmentation using color
- 3 382/173 (1 OR, 2 XR)  
Class 382 : IMAGE ANALYSIS
- 382/173 IMAGE SEGMENTATION
- 3 382/190 (2 OR, 1 XR)  
Class 382 : IMAGE ANALYSIS
- 382/181 PATTERN RECOGNITION
- 382/190 .Feature extraction
- 3 382/232 (3 OR, 0 XR)  
Class 382 : IMAGE ANALYSIS
- 382/232 IMAGE COMPRESSION OR CODING
- 3 382/236 (0 OR, 3 XR)  
Class 382 : IMAGE ANALYSIS
- 382/232 IMAGE COMPRESSION OR CODING
- 382/236 .Interframe coding (e.g., difference or motion detection)
- 3 382/248 (1 OR, 2 XR)  
Class 382 : IMAGE ANALYSIS

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382/232      IMAGE COMPRESSION OR CODING
382/248      .Transform coding

3 382/250      (0 OR, 3 XR)
   Class 382 : IMAGE ANALYSIS
382/232      IMAGE COMPRESSION OR CODING
382/248      .Transform coding
382/250      ..Discrete cosine or sine transform

3 382/251      (1 OR, 2 XR)
   Class 382 : IMAGE ANALYSIS
382/232      IMAGE COMPRESSION OR CODING
382/251      .Quantization

3 382/253      (3 OR, 0 XR)
   Class 382 : IMAGE ANALYSIS
382/232      IMAGE COMPRESSION OR CODING
382/251      .Quantization
382/253      ..Vector quantization

3 382/254      (0 OR, 3 XR)
   Class 382 : IMAGE ANALYSIS
382/254      IMAGE ENHANCEMENT OR RESTORATION

3 382/277      (3 OR, 0 XR)
   Class 382 : IMAGE ANALYSIS
382/276      IMAGE TRANSFORMATION OR PREPROCESSING
382/277      .Transforming each dimension separately

3 382/279      (1 OR, 2 XR)
   Class 382 : IMAGE ANALYSIS
382/276      IMAGE TRANSFORMATION OR PREPROCESSING
382/279      .Convolution

3 382/295      (1 OR, 2 XR)
   Class 382 : IMAGE ANALYSIS
382/276      IMAGE TRANSFORMATION OR PREPROCESSING
382/293      .Changing the image coordinates
382/295      ..To position or translate an image

3 382/296      (0 OR, 3 XR)
   Class 382 : IMAGE ANALYSIS
382/276      IMAGE TRANSFORMATION OR PREPROCESSING
382/293      .Changing the image coordinates
382/296      ..To rotate an image

3 382/300      (0 OR, 3 XR)
   Class 382 : IMAGE ANALYSIS
382/276      IMAGE TRANSFORMATION OR PREPROCESSING
382/293      .Changing the image coordinates
382/298      ..To change the scale or size of an image
382/299      ...Raising or lowering the image resolution
              (e.g., subpixel accuracy)
382/300      ....Interpolation

3 382/302      (1 OR, 2 XR)
   Class 382 : IMAGE ANALYSIS
382/276      IMAGE TRANSFORMATION OR PREPROCESSING
382/302      .Multilayered image transformations

3 430/619      (1 OR, 2 XR)
   Class 430 : RADIATION IMAGERY CHEMISTRY: PROCESS,
              COMPOSITION, OR PRODUCT THEREOF

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- 430/495.1 RADIATION SENSITIVE PRODUCT  
 430/564 .Silver compound sensitizer containing  
 430/617 ..Silver compound other than halide, per se, or  
                   composition for thermographic process  
 430/618 ...Organic silver compound containing  
 430/619 ....And inorganic silver compound
- 3 600/407 (3 OR, 0 XR)  
   Class 600 : SURGERY  
   600/300 DIAGNOSTIC TESTING  
   600/407 .Detecting nuclear, electromagnetic, or  
                   ultrasonic radiation
- 3 600/437 (2 OR, 1 XR)  
   Class 600 : SURGERY  
   600/300 DIAGNOSTIC TESTING  
   600/407 .Detecting nuclear, electromagnetic, or  
                   ultrasonic radiation  
   600/437 ..Ultrasonic
- 3 600/454 (1 OR, 2 XR)  
   Class 600 : SURGERY  
   600/300 DIAGNOSTIC TESTING  
   600/407 .Detecting nuclear, electromagnetic, or  
                   ultrasonic radiation  
   600/437 ..Ultrasonic  
   600/453 ...Doppler effect (e.g., fetal HR monitoring)  
   600/454 ....Blood flow studies
- 3 600/455 (0 OR, 3 XR)  
   Class 600 : SURGERY  
   600/300 DIAGNOSTIC TESTING  
   600/407 .Detecting nuclear, electromagnetic, or  
                   ultrasonic radiation  
   600/437 ..Ultrasonic  
   600/453 ...Doppler effect (e.g., fetal HR monitoring)  
   600/454 ....Blood flow studies  
   600/455 .....Pulse Doppler
- 3 600/466 (1 OR, 2 XR)  
   Class 600 : SURGERY  
   600/300 DIAGNOSTIC TESTING  
   600/407 .Detecting nuclear, electromagnetic, or  
                   ultrasonic radiation  
   600/437 ..Ultrasonic  
   600/459 ...Structure of transducer or probe assembly  
   600/462 ....Probe placed in vascular system or body  
                   orifice  
   600/466 .....Catheter
- 3 600/467 (0 OR, 3 XR)  
   Class 600 : SURGERY  
   600/300 DIAGNOSTIC TESTING  
   600/407 .Detecting nuclear, electromagnetic, or  
                   ultrasonic radiation  
   600/437 ..Ultrasonic  
   600/459 ...Structure of transducer or probe assembly  
   600/462 ....Probe placed in vascular system or body  
                   orifice  
   600/466 .....Catheter  
   600/467 .....Intravascular

10613980\_CLSTITLES1.txt

- 3 701/213 (0 OR, 3 XR)  
 Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND  
           RELATIVE LOCATION  
       701/200 NAVIGATION  
       701/207 .Employing position determining equipment  
       701/213 ..Using Global Positioning System (GPS)
  
- 3 701/301 (2 OR, 1 XR)  
 Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND  
           RELATIVE LOCATION  
       701/300 RELATIVE LOCATION  
       701/301 .Collision avoidance
  
- 3 706/25 (1 OR, 2 XR)  
 Class 706 : DATA PROCESSING: ARTIFICIAL INTELLIGENCE  
       706/15 NEURAL NETWORK  
       706/25 .Learning method
  
- 3 707/2 (1 OR, 2 XR)  
 Class 707 : DATA PROCESSING: DATABASE AND FILE  
           MANAGEMENT OR DATA STRUCTURES  
       707/1 DATABASE OR FILE ACCESSING  
       707/2 .Access augmentation or optimizing
  
- 3 707/5 (1 OR, 2 XR)  
 Class 707 : DATA PROCESSING: DATABASE AND FILE  
           MANAGEMENT OR DATA STRUCTURES  
       707/1 DATABASE OR FILE ACCESSING  
       707/3 .Query processing (i.e., searching)  
       707/5 ..Query augmenting and refining (e.g., inexact  
               access)
  
- 2 5/413R (2 OR, 0 XR)  
 Class 005 : BEDS  
       5/413R SLEEPING BAG
  
- 2 33/276 (2 OR, 0 XR)  
 Class 033 : GEOMETRICAL INSTRUMENTS  
       33/227 STRAIGHT-LINE LIGHT RAY TYPE  
       33/276 .Multisight line
  
- 2 73/23.2 (0 OR, 2 XR)  
 Class 073 : MEASURING AND TESTING  
       73/23.2 GAS ANALYSIS
  
- 2 73/23.34 (0 OR, 2 XR)  
 Class 073 : MEASURING AND TESTING  
       73/23.2 GAS ANALYSIS  
       73/23.34 .Odor
  
- 2 73/23.36 (2 OR, 0 XR)  
 Class 073 : MEASURING AND TESTING  
       73/23.2 GAS ANALYSIS  
       73/23.35 .Gas chromatography  
       73/23.36 ..with electrical computer or data processor  
               control
  
- 2 73/24.06 (0 OR, 2 XR)  
 Class 073 : MEASURING AND TESTING  
       73/23.2 GAS ANALYSIS  
       73/24.01 .By vibration  
       73/24.06 ..Detector detail



10613980\_CLSTITLES1.txt

- 2 73/657 (2 OR, 0 XR)
  - Class 073 : MEASURING AND TESTING
  - 73/570 VIBRATION
  - 73/649 .Sensing apparatus
  - 73/655 ..With light beam indicator
  - 73/657 ...By frequency or phase shift
  
- 2 73/861.25 (0 OR, 2 XR)
  - Class 073 : MEASURING AND TESTING
  - 73/861 VOLUME OR RATE OF FLOW
  - 73/861.18 .By measuring vibrations or acoustic energy
  - 73/861.25 ..Reflection or scattering of acoustic waves
  
- 2 235/462.11 (0 OR, 2 XR)
  - Class 235 : REGISTERS
  - 235/435 CODED RECORD SENSORS
  - 235/439 .Particular sensor structure
  - 235/454 ..Optical
  - 235/462.01 ...Bar code
  - 235/462.1 ....Means to decode a 2-D bar code
  - 235/462.11 .....Including an imager (e.g., CCD or camera-type reader)
  
- 2 235/462.23 (0 OR, 2 XR)
  - Class 235 : REGISTERS
  - 235/435 CODED RECORD SENSORS
  - 235/439 .Particular sensor structure
  - 235/454 ..Optical
  - 235/462.01 ...Bar code
  - 235/462.22 ....Extended reader working range (e.g., multiple focal planes)
  - 235/462.23 .....Auto-focusing
  
- 2 235/472.01 (2 OR, 0 XR)
  - Class 235 : REGISTERS
  - 235/435 CODED RECORD SENSORS
  - 235/439 .Particular sensor structure
  - 235/454 ..Optical
  - 235/472.01 ...Hand-held (e.g., portable)
  
- 2 250/208.1 (1 OR, 1 XR)
  - Class 250 : RADIANT ENERGY
  - 250/200 PHOTOCELLS; CIRCUITS AND APPARATUS
  - 250/206 .Photocell controlled circuit
  - 250/208.1 ..Plural photosensitive image detecting element arrays
  
- 2 250/227.2 (0 OR, 2 XR)
  - Class 250 : RADIANT ENERGY
  - 250/200 PHOTOCELLS; CIRCUITS AND APPARATUS
  - 250/216 .Optical or pre-photocell system
  - 250/227.11 ..Light conductor
  - 250/227.2 ...With imaging
  
- 2 250/306 (1 OR, 1 XR)
  - Class 250 : RADIANT ENERGY
  - 250/306 INSPECTION OF SOLIDS OR LIQUIDS BY CHARGED PARTICLES
  
- 2 250/311 (2 OR, 0 XR)
  - Class 250 : RADIANT ENERGY
  - 250/306 INSPECTION OF SOLIDS OR LIQUIDS BY CHARGED

## PARTICLES

- 250/311 .Electron microscope type
- 2 250/461.2 (1 OR, 1 XR)  
     Class 250 : RADIANT ENERGY  
     250/458.1 LUMINOPHOR IRRADIATION  
     250/461.1 .With ultraviolet source  
     250/461.2 ..Biological cell identification
- 2 273/157R (2 OR, 0 XR)  
     Class 273 : AMUSEMENT DEVICES: GAMES  
     273/153R PUZZLES  
     273/156 .Take-aparts and put-togethers  
     273/157R ..Geometrical figures, pictures, and maps
- 2 283/117 (1 OR, 1 XR)  
     Class 283 : PRINTED MATTER  
     283/117 MISCELLANEOUS
- 2 313/365 (2 OR, 0 XR)  
     Class 313 : ELECTRIC LAMP AND DISCHARGE DEVICES  
     313/364 CATHODE RAY TUBE  
     313/365 .Image pickup tube
- 2 313/477R (0 OR, 2 XR)  
     Class 313 : ELECTRIC LAMP AND DISCHARGE DEVICES  
     313/364 CATHODE RAY TUBE  
     313/477R .Envelope
- 2 340/995.14 (0 OR, 2 XR)  
     Class 340 : COMMUNICATIONS: ELECTRICAL  
     340/988 VEHICLE POSITION INDICATION  
     340/995.1 .Map display  
     340/995.14 ..Manipulation of map display or data
- 2 340/995.26 (0 OR, 2 XR)  
     Class 340 : COMMUNICATIONS: ELECTRICAL  
     340/988 VEHICLE POSITION INDICATION  
     340/995.1 .Map display  
     340/995.26 ..Including particular display structure (e.g., detachable, rolling map sheet, etc.)
- 2 345/424 (1 OR, 1 XR)  
     Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR  
                     INTERFACE PROCESSING, AND SELECTIVE VISUAL DISPLAY  
                     SYSTEMS  
     345/418 COMPUTER GRAPHICS PROCESSING  
     345/419 .Three-dimension  
     345/424 ..Voxel
- 2 345/441 (0 OR, 2 XR)  
     Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR  
                     INTERFACE PROCESSING, AND SELECTIVE VISUAL DISPLAY  
                     SYSTEMS  
     345/418 COMPUTER GRAPHICS PROCESSING  
     345/441 .Shape generating
- 2 345/473 (0 OR, 2 XR)  
     Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR  
                     INTERFACE PROCESSING, AND SELECTIVE VISUAL DISPLAY  
                     SYSTEMS  
     345/418 COMPUTER GRAPHICS PROCESSING  
     345/473 .Animation

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- 2 345/474 (0 OR, 2 XR)  
 Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR  
 INTERFACE PROCESSING, AND SELECTIVE VISUAL DISPLAY  
 SYSTEMS  
 345/418 COMPUTER GRAPHICS PROCESSING  
 345/473 .Animation  
 345/474 ..Motion planning or control
- 2 345/540 (0 OR, 2 XR)  
 Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR  
 INTERFACE PROCESSING, AND SELECTIVE VISUAL DISPLAY  
 SYSTEMS  
 345/530 COMPUTER GRAPHICS DISPLAY MEMORY SYSTEM  
 345/536 .Plural storage devices  
 345/540 ..Interleaved
- 2 345/545 (1 OR, 1 XR)  
 Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR  
 INTERFACE PROCESSING, AND SELECTIVE VISUAL DISPLAY  
 SYSTEMS  
 345/538 ...Data transfer between system memory display  
 memory  
 345/545 .Frame buffer
- 2 345/555 (0 OR, 2 XR)  
 Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR  
 INTERFACE PROCESSING, AND SELECTIVE VISUAL DISPLAY  
 SYSTEMS  
 345/538 ...Data transfer between system memory display  
 memory  
 345/555 .For storing compressed data
- 2 345/564 (0 OR, 2 XR)  
 Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR  
 INTERFACE PROCESSING, AND SELECTIVE VISUAL DISPLAY  
 SYSTEMS  
 345/538 ...Data transfer between system memory display  
 memory  
 345/564 .Addressing
- 2 345/591 (1 OR, 1 XR)  
 Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR  
 INTERFACE PROCESSING, AND SELECTIVE VISUAL DISPLAY  
 SYSTEMS  
 345/418 COMPUTER GRAPHICS PROCESSING  
 345/581 .Attributes (surface detail or characteristic,  
 display attributes)  
 345/589 ..Color or intensity  
 345/591 ...Color processing in perceptual color space
- 2 345/600 (1 OR, 1 XR)  
 Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR  
 INTERFACE PROCESSING, AND SELECTIVE VISUAL DISPLAY  
 SYSTEMS  
 345/418 COMPUTER GRAPHICS PROCESSING  
 345/581 .Attributes (surface detail or characteristic,  
 display attributes)  
 345/589 ..Color or intensity  
 345/600 ...Color bit data modification or conversion
- 2 345/606 (0 OR, 2 XR)

10613980\_CLSTITLE\$1.txt

Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR  
INTERFACE PROCESSING, AND SELECTIVE VISUAL DISPLAY  
SYSTEMS

345/418 COMPUTER GRAPHICS PROCESSING

345/581 .Attributes (surface detail or characteristic,  
display attributes)

345/606 ..Interpolation of attribute values across  
object surface

2 345/619 (0 OR, 2 XR)

Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR  
INTERFACE PROCESSING, AND SELECTIVE VISUAL DISPLAY  
SYSTEMS

345/418 COMPUTER GRAPHICS PROCESSING

345/619 .Graphic manipulation (object processing or  
display attributes)

2 345/629 (1 OR, 1 XR)

Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR  
INTERFACE PROCESSING, AND SELECTIVE VISUAL DISPLAY  
SYSTEMS

345/418 COMPUTER GRAPHICS PROCESSING

345/619 .Graphic manipulation (object processing or  
display attributes)

345/629 ..Merge or overlay

2 345/660 (0 OR, 2 XR)

Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR  
INTERFACE PROCESSING, AND SELECTIVE VISUAL DISPLAY  
SYSTEMS

345/418 COMPUTER GRAPHICS PROCESSING

345/619 .Graphic manipulation (object processing or  
display attributes)

345/660 ..Scaling

2 348/51 (1 OR, 1 XR)

Class 348 : TELEVISION

348/42 STEREOSCOPIC

348/51 .Stereoscopic display device

2 348/583 (0 OR, 2 XR)

Class 348 : TELEVISION

348/571 IMAGE SIGNAL PROCESSING CIRCUITRY SPECIFIC TO  
TELEVISION

348/578 .Special effects

348/580 ..Geometric transformation

348/583 ...Rotation

2 356/239.1 (2 OR, 0 XR)

Class 356 : OPTICS: MEASURING AND TESTING

356/237.1 INSPECTION OF FLAWS OR IMPURITIES

356/239.1 .Transparent or translucent material

2 356/318 (1 OR, 1 XR)

Class 356 : OPTICS: MEASURING AND TESTING

356/300 BY DISPERSED LIGHT SPECTROSCOPY

356/311 .With sample excitation (e.g., burning)

356/317 ..By light

356/318 ...Monochromatic (e.g., laser)

2 356/430 (0 OR, 2 XR)

Class 356 : OPTICS: MEASURING AND TESTING

356/429 BY MONITORING OF WEBS OR THREAD

356/430 .For flaws or imperfections

2 356/479 (1 OR, 1 XR)  
 Class 356 : OPTICS: MEASURING AND TESTING  
 356/450 BY LIGHT INTERFERENCE (E.G., INTERFEROMETER)  
 356/477 .Using fiber or waveguide interferometer  
 356/479 ..Having a short coherence length source

2 356/635 (2 OR, 0 XR)  
 Class 356 : OPTICS: MEASURING AND TESTING  
 356/625 DIMENSION  
 356/635 .width or diameter

2 358/500 (0 OR, 2 XR)  
 Class 358 : FACSIMILE AND STATIC PRESENTATION PROCESSING

358/500 NATURAL COLOR FACSIMILE

2 359/15 (0 OR, 2 XR)  
 Class 359 : OPTICS: SYSTEMS  
 359/1 HOLOGRAPHIC SYSTEM OR ELEMENT  
 359/15 .Using a hologram as an optical element

2 359/462 (0 OR, 2 XR)  
 Class 359 : OPTICS: SYSTEMS  
 359/462 STEREOSCOPIC

2 359/509 (0 OR, 2 XR)  
 Class 359 : OPTICS: SYSTEMS  
 359/507 PROTECTION FROM MOISTURE OR FOREIGN PARTICLE  
 359/509 .Fluid directed across optical element

2 359/619 (2 OR, 0 XR)  
 Class 359 : OPTICS: SYSTEMS  
 359/618 SINGLE CHANNEL SIMULTANEOUSLY TO OR FROM PLURAL  
 CHANNELS (E.G., LIGHT DIVIDING, COMBINING, OR PLURAL  
 IMAGE FORMING, ETC.)  
 359/619 .By surface composed of lenticular elements

2 359/621 (0 OR, 2 XR)  
 Class 359 : OPTICS: SYSTEMS  
 359/618 SINGLE CHANNEL SIMULTANEOUSLY TO OR FROM PLURAL  
 CHANNELS (E.G., LIGHT DIVIDING, COMBINING, OR PLURAL  
 IMAGE FORMING, ETC.)  
 359/619 .By surface composed of lenticular elements  
 359/621 ..Plural lenticular plates

2 375/240.18 (0 OR, 2 XR)  
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS  
 375/240 BANDWIDTH REDUCTION OR EXPANSION  
 375/240.01 .Television or motion video signal  
 375/240.18 ..Transform

2 382/151 (1 OR, 1 XR)  
 Class 382 : IMAGE ANALYSIS  
 382/100 APPLICATIONS  
 382/141 .Manufacturing or product inspection  
 382/145 ..Inspection of semiconductor device or printed  
 circuit board  
 382/151 ...Alignment, registration, or position  
 determination

10613980\_CLSTITLES1.txt

- 2 382/197 (1 OR, 1 XR)
  - Class 382 : IMAGE ANALYSIS
  - 382/181 PATTERN RECOGNITION
  - 382/190 .Feature extraction
  - 382/195 ..Local or regional features
  - 382/197 ...Directional codes and vectors (e.g., Freeman chains, compasslike codes)
- 2 382/203 (0 OR, 2 XR)
  - Class 382 : IMAGE ANALYSIS
  - 382/181 PATTERN RECOGNITION
  - 382/190 .Feature extraction
  - 382/195 ..Local or regional features
  - 382/203 ...Shape and form analysis
- 2 382/209 (1 OR, 1 XR)
  - Class 382 : IMAGE ANALYSIS
  - 382/181 PATTERN RECOGNITION
  - 382/209 .Template matching (e.g., specific devices that determine the best match)
- 2 382/217 (2 OR, 0 XR)
  - Class 382 : IMAGE ANALYSIS
  - 382/181 PATTERN RECOGNITION
  - 382/209 .Template matching (e.g., specific devices that determine the best match)
  - 382/217 ..Electronic template
- 2 382/218 (0 OR, 2 XR)
  - Class 382 : IMAGE ANALYSIS
  - 382/181 PATTERN RECOGNITION
  - 382/209 .Template matching (e.g., specific devices that determine the best match)
  - 382/217 ..Electronic template
  - 382/218 ...Comparator
- 2 382/225 (1 OR, 1 XR)
  - Class 382 : IMAGE ANALYSIS
  - 382/181 PATTERN RECOGNITION
  - 382/224 .Classification
  - 382/225 ..Cluster analysis
- 2 382/228 (1 OR, 1 XR)
  - Class 382 : IMAGE ANALYSIS
  - 382/181 PATTERN RECOGNITION
  - 382/224 .Classification
  - 382/228 ..Statistical decision process
- 2 382/240 (0 OR, 2 XR)
  - Class 382 : IMAGE ANALYSIS
  - 382/232 IMAGE COMPRESSION OR CODING
  - 382/240 .Pyramid, hierarchy, or tree structure
- 2 382/242 (0 OR, 2 XR)
  - Class 382 : IMAGE ANALYSIS
  - 382/232 IMAGE COMPRESSION OR CODING
  - 382/242 .Contour or chain coding (e.g., Bezier)
- 2 382/249 (2 OR, 0 XR)
  - Class 382 : IMAGE ANALYSIS
  - 382/232 IMAGE COMPRESSION OR CODING
  - 382/248 .Transform coding

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2 382/260 (1 OR, 1 XR)
    Class 382 : IMAGE ANALYSIS
    382/254 IMAGE ENHANCEMENT OR RESTORATION
    382/260 .Image filter

2 382/262 (1 OR, 1 XR)
    Class 382 : IMAGE ANALYSIS
    382/254 IMAGE ENHANCEMENT OR RESTORATION
    382/260 .Image filter
    382/262 ..Median filter

2 382/266 (1 OR, 1 XR)
    Class 382 : IMAGE ANALYSIS
    382/254 IMAGE ENHANCEMENT OR RESTORATION
    382/266 .Edge or contour enhancement

2 382/286 (0 OR, 2 XR)
    Class 382 : IMAGE ANALYSIS
    382/276 IMAGE TRANSFORMATION OR PREPROCESSING
    382/286 .Measuring image properties (e.g., length,
    width, or area)

2 382/293 (2 OR, 0 XR)
    Class 382 : IMAGE ANALYSIS
    382/276 IMAGE TRANSFORMATION OR PREPROCESSING
    382/293 .Changing the image coordinates

2 382/298 (0 OR, 2 XR)
    Class 382 : IMAGE ANALYSIS
    382/276 IMAGE TRANSFORMATION OR PREPROCESSING
    382/293 .Changing the image coordinates
    382/298 ..To change the scale or size of an image

2 446/72 (0 OR, 2 XR)
    Class 446 : AMUSEMENT DEVICES: TOYS
    446/71 CONVERTIBLE FROM, OR SERVING AS DIVERSE ARTICLE
    446/72 .Including figure toy

2 600/447 (2 OR, 0 XR)
    Class 600 : SURGERY
    600/300 DIAGNOSTIC TESTING
    600/407 .Detecting nuclear, electromagnetic, or
    ultrasonic radiation
    600/437 ..Ultrasonic
    600/443 ...Anatomic image produced by reflective
    scanning
    600/447 ....Electronic array scanning

2 600/453 (0 OR, 2 XR)
    Class 600 : SURGERY
    600/300 DIAGNOSTIC TESTING
    600/407 .Detecting nuclear, electromagnetic, or
    ultrasonic radiation
    600/437 ..Ultrasonic
    600/453 ...Doppler effect (e.g., fetal HR monitoring)

2 700/83 (1 OR, 1 XR)
    Class 700 : DATA PROCESSING: GENERIC CONTROL SYSTEMS OR
    SPECIFIC APPLICATIONS

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700/1  
700/83      GENERIC CONTROL SYSTEM, APPARATUS OR PROCESS  
                 .Having operator control interface (e.g.,  
                 control/display console)

2 701/120      (2 OR, 0 XR)  
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND  
                 RELATIVE LOCATION  
701/1      VEHICLE CONTROL, GUIDANCE, OPERATION, OR  
                 INDICATION  
701/120      .Traffic analysis or control of aircraft

2 701/215      (0 OR, 2 XR)  
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND  
                 RELATIVE LOCATION  
701/200      NAVIGATION  
701/207      .Employing position determining equipment  
701/213      ..Using Global Positioning System (GPS)  
701/214      ...Means to improve accuracy of position or  
                 location  
701/215      ....Having multiple GPS antennas or receivers  
                 (e.g., differential GPS)

2 701/220      (0 OR, 2 XR)  
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND  
                 RELATIVE LOCATION  
701/200      NAVIGATION  
701/207      .Employing position determining equipment  
701/220      ..Using inertial sensor

2 701/223      (2 OR, 0 XR)  
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND  
                 RELATIVE LOCATION  
701/200      NAVIGATION  
701/207      .Employing position determining equipment  
701/223      ..With radar or optical ground scanner

2 701/45      (1 OR, 1 XR)  
Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND  
                 RELATIVE LOCATION  
701/1      VEHICLE CONTROL, GUIDANCE, OPERATION, OR  
                 INDICATION  
701/36      .Vehicle subsystem or accessory control  
701/45      ..Control of vehicle safety devices (e.g.,  
                 airbag, seat-belt, etc.)

2 702/176      (0 OR, 2 XR)  
Class 702 : DATA PROCESSING: MEASURING, CALIBRATING, OR  
                 TESTING  
702/127      MEASUREMENT SYSTEM  
702/176      .Time duration or rate

2 703/6      (1 OR, 1 XR)  
Class 703 : DATA PROCESSING: STRUCTURAL DESIGN,  
                 MODELING, SIMULATION, AND EMULATION  
703/6      SIMULATING NONELECTRICAL DEVICE OR SYSTEM

2 707/100      (0 OR, 2 XR)  
Class 707 : DATA PROCESSING: DATABASE AND FILE  
                 MANAGEMENT OR DATA STRUCTURES  
707/100      DATABASE SCHEMA OR DATA STRUCTURE

2 707/101      (0 OR, 2 XR)  
Class 707 : DATA PROCESSING: DATABASE AND FILE



10613980\_CLSTITLES1.txt

- 707/100 MANAGEMENT OR DATA STRUCTURES  
707/101 DATABASE SCHEMA OR DATA STRUCTURE  
          .Manipulating data structure (e.g.,  
          compression, compaction, compilation)
- 2 707/102 (2 OR, 0 XR)  
  Class 707 : DATA PROCESSING: DATABASE AND FILE  
              MANAGEMENT OR DATA STRUCTURES  
707/100 DATABASE SCHEMA OR DATA STRUCTURE  
707/102 .Generating database or data structure (e.g.,  
          via user interface)
- 2 708/313 (0 OR, 2 XR)  
  Class 708 : ELECTRICAL COMPUTERS: ARITHMETIC PROCESSING  
              AND CALCULATING  
708/100 ELECTRICAL DIGITAL CALCULATING COMPUTER  
708/200 .Particular function performed  
708/300 ..Filtering  
708/313 ...Decimation/interpolation
- 2 708/315 (1 OR, 1 XR)  
  Class 708 : ELECTRICAL COMPUTERS: ARITHMETIC PROCESSING  
              AND CALCULATING  
708/100 ELECTRICAL DIGITAL CALCULATING COMPUTER  
708/200 .Particular function performed  
708/300 ..Filtering  
708/315 ...By convolution
- 2 708/319 (0 OR, 2 XR)  
  Class 708 : ELECTRICAL COMPUTERS: ARITHMETIC PROCESSING  
              AND CALCULATING  
708/100 ELECTRICAL DIGITAL CALCULATING COMPUTER  
708/200 .Particular function performed  
708/300 ..Filtering  
708/319 ...Transversal
- 2 708/442 (0 OR, 2 XR)  
  Class 708 : ELECTRICAL COMPUTERS: ARITHMETIC PROCESSING  
              AND CALCULATING  
708/100 ELECTRICAL DIGITAL CALCULATING COMPUTER  
708/200 .Particular function performed  
708/442 ..Coordinate conversion
- 2 711/217 (0 OR, 2 XR)  
  Class 711 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
              SYSTEMS: MEMORY  
711/200 ADDRESS FORMATION  
711/217 .Generating a particular pattern/sequence of  
          addresses
- 2 711/218 (0 OR, 2 XR)  
  Class 711 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
              SYSTEMS: MEMORY  
711/200 ADDRESS FORMATION  
711/217 .Generating a particular pattern/sequence of  
          addresses  
711/218 ..Sequential addresses generation
- 2 711/220 (1 OR, 1 XR)  
  Class 711 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
              SYSTEMS: MEMORY  
711/200 ADDRESS FORMATION  
711/220 .Combining two or more values to create address

10613980\_CLSTITLES1.txt

2 715/848 (2 OR, 0 XR)  
Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF  
DOCUMENT  
715/700 OPERATOR INTERFACE (E.G., GRAPHICAL USER  
INTERFACE)  
715/764 .On-screen workspace or object  
715/848 ..Interface represented by 3D space